

AMENDMENTS TO THE CLAIMS

1 - 2. (Canceled)

3. (Currently amended) ~~The medium for optical recording as claimed in claim 1~~
~~wherein:~~

A medium for optical recording, from which recorded information is reproduced by a laser beam, comprising:

a disk board having a recording surface; and

a plurality of pits in the recording surface, wherein each of said pits is comprised in a corresponding one of a plurality of cells each cell having equal size and varying pit-occupancy rates dependent on the recorded information, said pit-occupancy rate being the ratio of area of said pit to area of said cell corresponding to said pit,

wherein depths H of said pits, a wavelength λ of the laser beam, and a refractive index n of said board are related as: $\lambda/6n < H < \lambda/4n$,

signals having a plurality of levels of N, N being dependent on the pit-occupancy rate, are generated[[:]], and

said pits comprising (N-1) different pit diameters, the (N-1) pit diameters being set so as to almost equally divide into N parts the difference between amount of light reflected from the cells in a case of pits with pit diameters having maximum values and amount of light reflected from the cells in a case of no pits existing.

4. (Original) The medium for optical recording as claimed in claim 3, wherein modulation is 60% or above, said modulation being a ratio of a signal level corresponding

to the maximum of said different (N-1) pit diameters to a signal level corresponding to the minimum of said different (N-1) pit diameters.

5 - 12. (Canceled).